

Code-Operated Switch-16

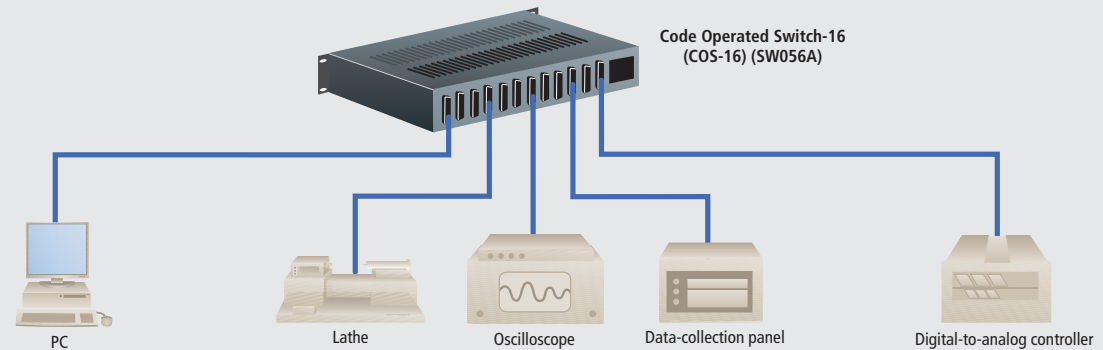


Handle the big switching jobs—ones with up to 16 devices—without ever leaving your desk.

FEATURES

- Switch common-port access between 16 ports.
- Convenient code-based switching means you can control all your devices from one computer.
- No accidental switching—code-repetition feature separates switch commands from data.
- Optional broadcast mode distributes data to all ports.

Connect one computer to as many as 16 RS-232 peripheral, laboratory, or data-input devices.



OVERVIEW

Bring the ease of “soft switching” to large RS-232 applications with the Code-Operated Switch-16 (COS-16). It works just as smoothly as a mechanical switch, but you activate it by sending a two-character ASCII code from your PC rather than by pressing a button or turning a knob.

Switching is simple. From a PC, modem, or terminal installed on the common port, just send the prefix (arming) character to alert the COS-16, then send the port-selection character. Electronic relays instantly direct data to the proper port.

With code-based switching, you can use your local or remote PC to receive data from or transmit data to any of a huge collection of RS-232 terminals, peripherals, or lab or industrial equipment.

The COS-16 can handle all varieties of data, including binary and graphics files, even though these can contain exact equivalents of the COS-16’s two-character switching codes. When you use the COS-16’s “code repetition” feature, the unit waits for two, four, or even eight consecutive occurrences of the prefix character before recognizing a selection character and redirecting your data. This precaution dramatically lowers the odds of a switching error.

The COS-16 also has a “broadcast mode” feature. In broadcast mode, the device on the common port can simultaneously transmit to all connected devices. This makes sending bulletins and upgrading firmware much easier.

With the COS-16, you can switch between up to 16 devices.

The COS-16 fits any site that relies on a large number of RS-232 devices—peripherals, terminals, lab equipment, etc. It’s ideal for monitoring remote equipment or data-collection devices, polling bar-code readers, exercising units under test, or broadcasting to market-quote displays. And the COS-16 runs at data rates up to 19.2 kbps.

We also offer an RS-422 version of the COS-16 as a special quote; for details, call us at **724-746-5500**.

Additional equipment you may need

- To rackmount a COS-16, you’ll need one Rackmount Kit.
- An asynchronous RS-232 modem for long-distance off-site control of your devices.
- An RS-232 line driver for control from an office on another floor or from a data center in a nearby building.
- RS-232 cable.
- AC and data-line surge protectors.
- Interface converters to connect RS-422, RS-423, RS-449, RS-485, V.35, or X.21 devices to the COS-16.
- A country-specific power cord for operating the COS-16 outside of North America.
- Communications software.



SW056A: Front view



SW056A: Rear view

TECH SPECS

Code Set — ASCII

Compliance — FCC Part 15 Class A, DOC Class/MDC classe A

Data Format — Either 7 data bits with even, odd, mark, or space parity, or 8 data bits with no parity (user-selectable); 1 stop bit (fixed)

Data Rate — 150 bps to 19.2 kbps, user-selectable

Distance (Maximum) — 50 ft. (15.2 m) to attached devices over standard RS-232 cables

Flow Control — None

Interface — EIA RS-232; Common port: DTE; Switched ports: DCE

Leads Supported — Pins 2 through 5 on all ports

MTBF — 30,000 hours

Operation — Full duplex

Protocol — Asynchronous

User Controls — (2) Bottom-mounted 8-position DIP switches for selecting the prefix character, code repetition, broadcast mode, and data rate; (1) internal jumper for 110/220-VAC selection

Connectors — (17) Rear-mounted DB25 F for data: (1) common, (16) switched; (1) Rear-mounted IEC 320 power inlet

Indicators — (26) Front-mounted LEDs: (16) Active Port; (4) Section; (1) each of PWR (power), TXD, RXD, RTS, CTS, ALL (broadcast)

Power — Through 6-ft. (1.8-m) detachable power cord, power inlet, and internal power supply:

Input: Either 110 VAC, 60 Hz, or 220 VAC, 50 Hz (jumper-selectable);

Consumption: 30 watts

Size — 3.5"H x 17.3"W x 9"D (8.9 x 43.9 x 22.9 cm)

Weight — 7 lb. (3.2 kg)

WHAT'S INCLUDED

SW056A:

- ◆ Code-Operated Switch-16
- ◆ Detachable power cord with a NEMA 5-15P plug
- ◆ User's manual

Item	Code
Code-Operated Switch-16	SW056A
To rackmount the COS-16, order... Rackmount Kit	RM056

For details on the RS-422 option for the switch, contact our FREE Tech Support.

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.